

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Previously Presented) A process for the production of monolithic porous moldings which completely fill their gelling mold, comprising:
 - a) provision of a gelling mold;
 - b) activation of the gelling mold by surface etching, increasing the surface area and/or chemical modification;
 - c) filling of the gelling mold with monomer sol;
 - d) polymerization of the monomer sol and ageing of the resultant gel for the formation of pores, whereby the monolithic porous molding produced has an internal diameter of 0.5-50 mm.
2. (Previously Presented) The process according to Claim 1, wherein the gelling mold is made from glass, glass-coated stainless steel or fused silica).
3. (Previously Presented) The process according to Claim 1 or 2, wherein activation in b) is carried out by increasing the inside surface area of the gelling mold by treating the inside surface with alkoxy silanes and/or organoalkoxy silanes or slurries of particles.
4. (Previously Presented) The process according to claim 1, wherein activation in b) is carried out by chemical modification of the inside surface of the gelling mold by treating the surface with bifunctional reagents.
5. (Previously Presented) Process according to claim 1, wherein a sol-gel process is used for the production of the monolithic porous moldings.
6. (Currently Amended) ~~The process according to claim 1, A process for the~~

production of monolithic porous moldings which completely fill their gelling mold,
comprising:

e) provision of a gelling mold;

f) activation of the gelling mold by surface etching, increasing the surface area and/or
chemical modification;

g) filling of the gelling mold with monomer sol;

polymerization of the monomer sol and ageing of the resultant gel for the formation of
pores, whereby the monolithic porous molding produced has an internal diameter of 0.5-
50 mm, wherein a monomer sol which exhibits low shrinkage rates through the addition
of particles, fibers and/or use of organoalkoxysilanes is used in c).

7. (Previously Presented) A monolithic porous molding which has been polymerized into a gelling mold, obtainable by the process of claim 1.

8. (Previously Presented) A chromatographic separation of at least two substances, comprising subjecting a mixture of said at least two substances to a molding according to claim 7.